

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

GIS and Urban Planning

2011

URP2 Curriculum Modification for 2012-13

Fanshawe College

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PROGRAM/CURRICULUM "RATIONALE FOR CHANGES"

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NOV 29 2011

REGISTRAR

All requests for changes to programs of instruction must be submitted to the Registrar's Office by December 1st each year for changes to be implemented for the following September intake. All changes require the approval of the Dean and possibly the VPA's Office, if significant.

REMINDER: We need to ensure that changes are made properly and in a timely manner to: maximize student success; optimize employment preparation; meet all quality and integrity responsibilities to MTCU, PQAPA and our Board of Governors; and meet community expectations.

- ➔ The **Program/Curriculum "Rationale for Changes"** should be completed using this template and all areas must be completed. An electronic copy of this document should be submitted to the Registrar's Office.
- ➔ The Dean/Chair responsible for the program should consult with other affected schools and obtain the appropriate sign-offs on a paper copy of this document. Once all consultations and sign-offs have occurred, the paper copy should be submitted to the RO
- ➔ Course Request Forms must also be submitted electronically to Strategy and Planning for all new courses. These will be forwarded to Scheduling following approval of the changes by the Dean and possibly the VPA's Office.

1.0 Program Requiring Changes

Program Title:	GIS & Urban Planning	
Program Alpha & Number:	URP2	
Effective Catalog Year:		

Please answer each of the questions below, if applicable. Missing or incomplete information may delay approval and/or implementation of the proposed changes.

2.0 Rationale for Changes

2.01 Provide a brief description of the reasons for the proposed changes.

Summary of Requested Changes

Level 3

Removed:

COMP-3075 Mobile GIS & GPS (60 hours)

PLAN-1015 Community Planning & Design (75 hours)

Added:

METH-3003 Data Collection & Research Methods (30 hours)

COMP-3093 Mobile GIS & GPS (45 hours)

PLAN-3005 Community Planning & Design (60 hours)

Level 4

Removed:

METH-3020 Data Collections & Research Methods (15 hours)

LAWS-1049 Real Property Law (15 hours)

Added:

LAWS-3017 Real Property Law (30 hours)

Reasons for Requested Changes

METH 3020 - Data Collection and Research Methods and LAWS 1048 - Real Property Law were increased from 15 hours to 30 hours each to provide students with more instructional time to properly cover the course learning outcomes.

METH 3020 - Data Collection and Research was moved from Level 4 to Level 3 in order to provide a more balanced timetable for those students in second year of the program and help improve student success. Focusing on proper data collection and research methods in the fall also provides our second year students with a stronger research foundation to support our annual design charrette scheduled for the winter term.

Both PLAN 1015 - Community Planning & Design and COMP-3075 Mobile GIS & GPS were reduced in hours to accommodate changes to METH 3020 - Data Collection and Research Methods and LAWS 1048 - Real Property Law. Current course curriculum can still be delivered in the reduced timeframe and all course learning outcomes can still be achieved.

2.02 Students

- Are changes a response to student feedback? Or our Programs Data Report - Weak Factors? (summarize how changes address this issue)
Second year students have found Level 4 to be overwhelming due to the large number of courses. The changes provide a more balanced learning schedule for second year students.
- How will changes affect student learning and success? (describe evidence to support this)
METH 3020 - Data Collection and Research Methods and LAWS 1048 - Real Property Law were increased from 15 hours to 30 hours each to provide students with more instructional time to properly cover the course learning outcomes.

METH 3020 - Data Collection and Research was moved from Level 4 to Level 3 in order to provide a more balanced timetable for those students in second year of the program and help improve student success.
- How will changes affect cost of the program for students? (e.g., materials fees; equipment fees - laptop program; OSAP implications)
There will be no change in the overall cost of the program
- How will changes affect the flow of the program?
The requested changes will improve the flow of the program and provide better support for the our annual design charrette in the Winter term

2.03 Relationship of Program to Industry

- How do changes reflect trends in the field or in industry? (Provide data regarding industry and/or professional trends.)
The requested changes are being made to improve delivery of course and program learning outcomes which are supported by industry.

2.04 Program Learning Outcomes

- How do the changes align with Ministry outcomes? (Provide a copy of the completed program map indicating gaps/overlaps that are being corrected).
To be provided

2.05 Relationships with Other Fanshawe College Programs

- Is this course in a ladder program or part of any other Fanshawe College program?
No, this program is not ladder with other Fanshawe College programs.

2.06 Relations with Other Post-Secondary Programs

- How will the changes affect transfer agreements with other post-secondary institutions?
- What discussions have been initiated with these institutions regarding the changes?

The requested changes will not impact current transfer agreements with other post-secondary institutions.

2.07 Changes on Fit of Program with general College Requirements for Programs

- How do changes affect the fit of the program with the College's strategic plan, program mix, general education requirements, marketing?
- Are changes consistent with Colleges policies/practices? (Identify specific areas where policies/practices need to be altered if program changes approved.)

All changes comply with the Colleges requirements for programs and do not require alteration to College policies/practices.

3.0 Consultation Regarding Proposed Changes

3.01 Consultation With Program Advisory Committee

- Indicate feedback from the program advisory committee regarding the changes.

No feedback was required from Program Advisory Committee.

3.02 Consultation With Other Programs/Schools/Services

- What programs/schools/services have been consulted?
- What feedback and suggestions have been offered through consultation?

The requested changes will help support the goals and objectives promoted by Student Success Services. The intent is to improve student success within the GIS & Urban Planning program by offering a more balanced timetable in second year.

4.0 Resource Implications of Proposed Changes

4.01 Staffing

- Outline all staffing consequences, both for the program and related areas.

There will be no staffing consequences created by the proposed changes.

4.02 Services

- Outline all consequences on other areas.

None

4.03 Space or Technology Requirements

- Outline how changes affect space and/or technology requirements.

None

4.04 Budgetary Implications

- Outline budgetary implications (include consequences on other schools such as increase/decrease in teaching hours required)
- Outline changes to materials fees.

None

Approvals: Chair of School and Dean of Faculty; possibly VPA's Office, if significant
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☐ Approved

☐ Not Approved / Requires Changes

Helon Pearcy
Chair of School/Campus (signature)

Nov 25/11
Date

Dean of Faculty (signature)

Date

Chair of Servicing School, if required (signature)

Date

Vice-President, Academic, if required (signature)

Date

DEAN - FAMIL

Nov 28, 2011

PROGRAM MAPPING (URP2 - GIS & Urban Planning)																					
							LEVEL ONE			LEVEL TWO											
PROGRAM VOCATIONAL LEARNING OUTCOMES							WRIT-1036 Reason & Writing 1 - Art & Design	COMP-1414 Presentation Graphics 1	CADD-1007 Cad Basics - Urban Planning	METH-1039 Geographical Info Systems 1	PLAN-1016 Land Use Planning	PLAN-1014 Site Planning	COMM-3023 Comm. For Designers, Planners, Techs	COMP-3083 Presentation Graphics 2	CADD-1011 Intermediate AutoCAD - Urban Planning	METH-1010 Municipal Government & Planning	METH-3015 Geographical Info Systems 2	PLAN 1005 Ecological Planning	METH-1001 Databases for GIS	# OF COURSES EVALUATING THE OUTCOME	TOTAL FOR PROGRAM
1 - Introductory																					
2 - Intermediate																					
3 - Advanced																					
The graduate has reliably demonstrated the ability to: (Source: MTCU Code 50303)																					
1. Describe the meaning, goals and rationale of Urban and Rural planning and how it can contribute to conserving natural environments and enhancing built environments, culminating in better planned communities within which people live, work and play.											1	1						2		1	0
2. Draw, design and plan practical land development projects, both manually and with Computer Aided Design, such as: a) community plans and plans of subdivision b) site plans, generalized landscape plans, building plans and elevations, sections and perspectives c) community improvement and renewal plans and projects for urban and rural communities.																					
									1			1			2					1	2
3. Describe the tools, agents and processes of Municipal Land use Planning in Ontario, specifically provincial policy and the distinction between 'policy' (Official Plans) and 'implementation' (Zoning By-Laws, Subdivision Control, Site Plan Control).									1		1	1			2	1		2		1	0
4. Access and evaluate the accuracy of data and information for Urban and Rural planning.										1					2		2		2	1	4
5. Conduct research and field surveys for Urban and Rural planning reports/documents.										1	1					1		2		1	0
6. Build and maintain spatial and tabular data basis for Geographical Information Systems (GIS) through data collection, conversion, development and management.										1							2		3	1	2
7. Apply GIS analysis techniques for Urban and Regional planning applications, projects and case studies.										1							2		1	4	
8. Demonstrate a comprehensive working knowledge of Computer Aided Design and Drafting (CADD).								1	1						2					1	2
9. Prepare manual and computer assisted graphical presentations of plans, reports, drawings in two and three dimensions.								1		1				2			2			1	2
10. To optimize computer software applications of CAD, Graphics and GIS for any given Urban and Rural planning project within a range of workplace, technological capability.									1						2					1	2
TOTAL # OF OUTCOMES EVALUATED BY EACH COURSE							0	2	4	5	3	3	0	1	6	2	3	4	3		
V = Vocational Courses E = Essential Employability Skills Courses																					
GM = General Education (mandatory) G = General Education (elective)																					
NB - Only indicate the outcomes that are Taught & Evaluated (TE or TRE) in a course																					
PROGRAM COORDINATOR: Russell Schnurr																					
ACADEMIC CHAIR: Helen Pearce																					
Date Completed: November 2011																					
Professor:																					

PROGRAM MAPPING (URP2 - GIS & Urban Planning)	LEVEL THREE								LEVEL FOUR											
PROGRAM VOCATIONAL LEARNING OUTCOMES	INDV-XXXX General Education Elective	PLAN-1004 Subdivision Design	CADD-3025 CAD Applications 1	METH-3019 Geographical Info Systems 3	COMP-3093 Mobile GIS & GPS	PLAN-3005 Community Planning & Design	METH-3003 Data Collection & Research Methods	ARCH-3004 Modern Architecture		INDV-XXXX General Education Elective	PLAN-3003 Rural Planning	LAWS-3017 Real Property Law	CADD-3020 CAD Applications 2	METH-3013 Web Based GIS	METH-3016 AutoCAD Map GIS	METH-3009 Geographical Information Systems 4	PLAN-1020 Urban Design	# OF COURSES EVALUATING THE OUTCOME	TOTAL FOR PROGRAM	
1 - Introductory																				
2 - Intermediate																				
3 - Advanced																				
The graduate has reliably demonstrated the ability to: (Source: MTCU Code 50303)																				
1. Describe the meaning, goals and rationale of Urban and Rural planning and how it can contribute to conserving natural environments and enhancing built environments, culminating in better planned communities within which people live, work and play.		2				3		3				2					2	5	6	
2. Draw, design and plan practical land development projects, both manually and with Computer Aided Design, such as: a) community plans and plans of subdivision b) site plans, generalized landscape plans, building plans and elevations, sections and perspectives c) community improvement and renewal plans and projects for urban and rural communities.		3	3			3	3						3		2		2	7	8	
3. Describe the tools, agents and processes of Municipal Land use Planning in Ontario, specifically provincial policy and the distinction between 'policy' (Official Plans) and 'implementation' (Zoning By-Laws, Subdivision Control, Site Plan Control).		3	3	3								3	3				3	6	7	
4. Access and evaluate the accuracy of data and information for Urban and Rural planning.			3	1	3	3	3						3	1	2	3		9	10	
5. Conduct research and field surveys for Urban and Rural planning reports/documents.		2			3	3	3	3			3					2		7	8	
6. Build and maintain spatial and tabular data basis for Geographical Information Systems (GIS) through data collection, conversion, development and management.				1	3		3							2		3		5	6	
7. Apply GIS analysis techniques for Urban and Regional planning applications, projects and case studies.				1	3						3			3	2	3		6	7	
8. Demonstrate a comprehensive working knowledge of Computer Aided Design and Drafting (CADD).		1	3										3		2			4	5	
9. Prepare manual and computer assisted graphical presentations of plans, reports, drawings in two and three dimensions.			3			1	3	3				3	3		2	3	3	9	10	
10. To optimize computer software applications of CAD, Graphics and GIS for any given Urban and Rural planning project within a range of workplace, technological capability.			3	2			3								2	2		5	6	
TOTAL # OF OUTCOMES EVALUATED BY EACH COURSE	0	5	6	5	4	5	6	3		0	2	3	5	3	6	6	4			
V = Vocational Courses E = Essential Employability Skills Courses																				
GM = General Education (mandatory) G = General Education (elective)																				
NB - Only indicate the outcomes that are Taught & Evaluated (TE or TRE) in a course																				
PROGRAM COORDINATOR: Russell Schnurr																				
ACADEMIC CHAIR: Helen Pearce																				
Date Completed: November 2011																				
Professor:																				

PROGRAM MAPPING (URP2 - GIS & Urban Planning)																			
				LEVEL ONE						LEVEL TWO									
PROGRAM ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES				WRIT-1036 Reason & Writing 1 - Art & Design	COMP-1414 Presentation Graphics 1	CADD-1007 Cad Basics - Urban Planning	METH-1039 Geographical Info Systems 1	PLAN-1016 Land Use Planning	PLAN-1014 Site Planning		COMM-3023 Comm. For Designers, Planners, Techs	COMP-3083 Presentation Graphics 2	CADD-1011 Intermediate AutoCAD - Urban Planning	METH-1010 Municipal Government & Planning	METH-3015 Geographical Info Systems 2	PLAN-1005 Ecological Planning	METH-1001 Databases for GIS	# OF COURSES SUPPORTING THE OUTCOME	TOTAL FOR PROGRAM
4 = R	5 = RE	6 = TE	7 = TRE																
T = Taught	R = Reinforced	E = Evaluated																	
The graduate has reliably demonstrated the ability to: (Source: MTCU Code)																			
1. communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.					7	6	6	7	6			6	5	4	6	6	4	12	17
2. respond to written, spoken, or visual messages in a manner that ensures effective communication.					4	6	T	7	4			4	4	4	6	6	4	12	17
3. execute mathematical operations accurately.						6	T	7	6				6	6	6	4	6	10	10
4. apply a systematic approach to solve problems.					4	7	T	T	6			4	7	4	6	5	6	12	17
5. use a variety of thinking skills to anticipate and solve problems.						7	7	7	6			4	4	4	7	6	6	11	18
6. locate, select, organize, and document information using appropriate technology and information systems.					7	6	7	T	4			6	6	4	7	6	6	12	17
7. analyze, evaluate, and apply relevant information from a variety of sources.					7	6	7	T	4			6	5	6	7	6	6	12	17
8. show respect for the diverse opinions, values, belief systems, and contributions of others.					4	4		7	4			4	4	4		4	4	10	14
9. interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.					7			T	4			5	4	4	6	5	4	10	15
10. manage the use of time and other resources to complete projects.					7	5	T	7	6			5	6	4	6	5	5	12	17
11. take responsibility for one's own actions, decisions, and consequences.					7	7	T	7	6			5	6	4	6	5	5	12	16
TOTAL # OF OUTCOMES SUPPORTED BY EACH COURSE				0	9	10	9	11	11		0	10	11	11	10	11	11		
PROGRAM COORDINATOR: Russell Schnurr																			
ACADEMIC CHAIR: Helen Pearce																			
Date Completed: November 2011																			
Professor:																			

PROGRAM MAPPING (URP2 - GIS & Urban Planning)																		
PROGRAM ESSENTIAL EMPLOYABILITY SKILLS OUTCOMES	LEVEL THREE								LEVEL FOUR									
	INDV-XXXX General Education Elective	PLAN-1004 Subdivision Design	CADD-3025 CAD Applications 1	METH-3019 Geographical Info Systems 3	COMP-3093 Mobile GIS & GPS	PLAN-3005 Community Planning & Design	METH-3003 Data Collection & Research Methods	ARCH-3004 Modern Architecture	INDV-XXXX General Education Elective	PLAN-3003 Rural Planning	LAWS-3017 Real Property Law	CADD-3020 CAD Applications 2	METH-3013 Web Based GIS	METH-3016 AutoCAD Map GIS	METH-3009 Geographical Information Systems 4	PLAN-1020 Urban Design	# OF COURSES SUPPORTING THE OUTCOME	TOTAL FOR PROGRAM
	4 = R	5 = RE	6 = TE	7 = TRE														
	T = Taught	R = Reinforced	E = Evaluated															
The graduate has reliably demonstrated the ability to: (Source: MTCU Code)																		
1. communicate clearly, concisely and correctly in the written, spoken, and visual form that fulfills the purpose and meets the needs of the audience.		5	6	7	6	5	5	4		6	5	6	6	5	5	5	14	31
2. respond to written, spoken, or visual messages in a manner that ensures effective communication.		4	5	4	6	5	4	4		4	5	4	4	4	5	5	14	31
3. execute mathematical operations accurately.		6	7	6	6	4	6			4		5	4	6	6		11	21
4. apply a systematic approach to solve problems.		7	5	6	6	4	4			5	5	6	6	5	5	5	13	30
5. use a variety of thinking skills to anticipate and solve problems.		7	5	4	6	5	4	4		4	7	5	6	4	4	7	14	32
6. locate, select, organize, and document information using appropriate technology and information systems.		4	7	7	6	4	6			6	5	5	6	6	6	5	13	30
7. analyze, evaluate, and apply relevant information from a variety of sources.		4	7	7	6	5	6	4		6	5	4	4	6	6	5	14	31
8. show respect for the diverse opinions, values, belief systems, and contributions of others.		4	4	4	4	5	5	4		4	5	4	4	4	4	4	14	28
9. interact with others in groups or teams in ways that contribute to effective working relationships and the achievement of goals.		7	4	7	4	5	5	4		5	4	4	4	4	5	5	14	29
10. manage the use of time and other resources to complete projects.		5	4	7	6	4	5	4		5	4	5	5	5	5	5	14	31
11. take responsibility for one's own actions, decisions, and consequences.		5	4	7	6	5	5	4		4	4	5	4	4	4	4	14	30
TOTAL # OF OUTCOMES SUPPORTED BY EACH COURSE	0	11	11	11	11	11	11	8	0	11	10	11	11	11	11	10		
PROGRAM COORDINATOR: Russell Schnurr																		
ACADEMIC CHAIR: Helen Pearce																		
Date Completed: November 2011																		
Professor:																		

Degree Audit Report

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Catalog: 2012/2013

Program: URP2

Department: ARD - Design

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Name: GIS and Urban Planning

Grade Scheme: LG2

Major: URP2 - GIS and Urban Planning

Div: ARD - Art & Design Division

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 83.50

Residency Reqmt: 21.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: URP2.12 Urban & Regional Planning Technology

Major: URP2

Grade Scheme: LG2

Minimum GPA: 2.00000

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
WRIT-1036	Reason & Writing 1-Art & Design	45.00	3.00	
COMP-1414	Presentation Graphics 1	30.00	2.00	
CADD-1007	Cad Basics - Urban Planning	60.00	4.00	
METH-1039	Geographical Information Systems 1	60.00	4.00	
PLAN-1016	Land Use Planning	45.00	3.00	
PLAN-1014	Site Planning	60.00	2.50	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
COMM-3023	Comm. for Designers, Planners, Techs	45.00	3.00	
COMP-3083	Presentation Graphics 2	30.00	2.00	
CADD-1011	Intermediate AutoCAD - Urban Planning	45.00	3.00	
METH-1010	Municipal Government & Planning	60.00	3.50	
METH-3015	Geographical Info Systems 2	60.00	4.00	
PLAN-1005	Ecological Planning	45.00	3.00	
METH-1001	Databases for GIS	30.00	2.00	

Subrequirement: Level 3

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

Add: METH-3003 Data Collection + Research Methods		30.00	2.00	
	PLAN-1004 Subdivision Design	45.00	2.00	
	CADD-3025 CAD Applications 1	60.00	4.00	
	METH-3019 Geographical Information Systems 3	60.00	4.00	
Comp. 3093	COMP-3075 Mobile GIS & GPS	45.00	3.00	
PLAN-3005	PLAN-1015 Community Planning & Design	60.00	4.50	
		25.00	3.50	

Degree Audit Report

ARCH-3004 Modern Architecture 45.00 3.00 **

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

			Total Hours	Total Credits	GE
	PLAN-3003	Rural Planning	45.00	2.00	
Laws - 3017	LAW-1048	Real Property Law	30.00	15.00	1.00 2.00
	CADD-3020	CAD Applications 2	60.00	4.00	
remove	METH-3020	Data Collection & Research Methods	15.00	1.00	
	METH-3013	Web Based GIS	30.00	2.00	
	METH-3016	AutoCAD Map GIS	30.00	2.00	
	METH-3009	Geographical Information Systems 4	45.00	3.00	
	PLAN-1020	Urban Design	30.00	2.00	

Subrequirement: Gen Ed - Electives

Take 6 General Education Credits -

Normally taken in Levels 3 and 4

Subrequirement: Check Residency

Students Must Complete a Minimum of 21 of the Program

Credits at Fanshawe to meet the Residency Requirement and

Graduate from this Program.

Helen Pearce
Approved By Chair/Manager:

[Signature]
Approved by Dean:

General Education Approved By(as appropriate):

Nov 25 2011
Department and Date:

Nov 28, 2011
Date:

Date:

D. Shilk
Dec 20/11